

## FSM SUBMERSIBLE PUMP 手提式自動抽水機

### Characteristic & Application 特點及應用

Semi Vortex impeller design minimizes the clogging situation that can maximum durability and maintain pump performance.

Built-in shaft mounted agitator prevents the "air lock" and reduce the clogging situation.


半渦流葉輪設計大大減少泵殼內出現堵塞的情況，提升水泵的耐用性。內置軸承式攪拌器能防止“氣塞”的情況出現。











Specification 產品規格										
Model 型號 (50HZ)	Outlet 出水呎吋		Voltage 電壓	Motor Power 摩打功率		Max. Head 最高程揚	Max. Capacity 最大流量		Solid Passage 可容固體	Weight 重量
	inch	mm	V	kW	HP	m	l/s	m <sup>3</sup> /min	mm	kg
FSM-2.4F	2	50	110/220	0.4	0.55	12.0	3.5	0.21	9	16
FSM-2.75F	2	50	110/220	0.75	1	18.0	5.0	0.30	9	17
FSM-3.75F	3	80	110/220	0.75	1	18.0	5.0	0.30	9	19

\*可配合 L531 水泵起動控制箱使用，加強對水泵的保護。

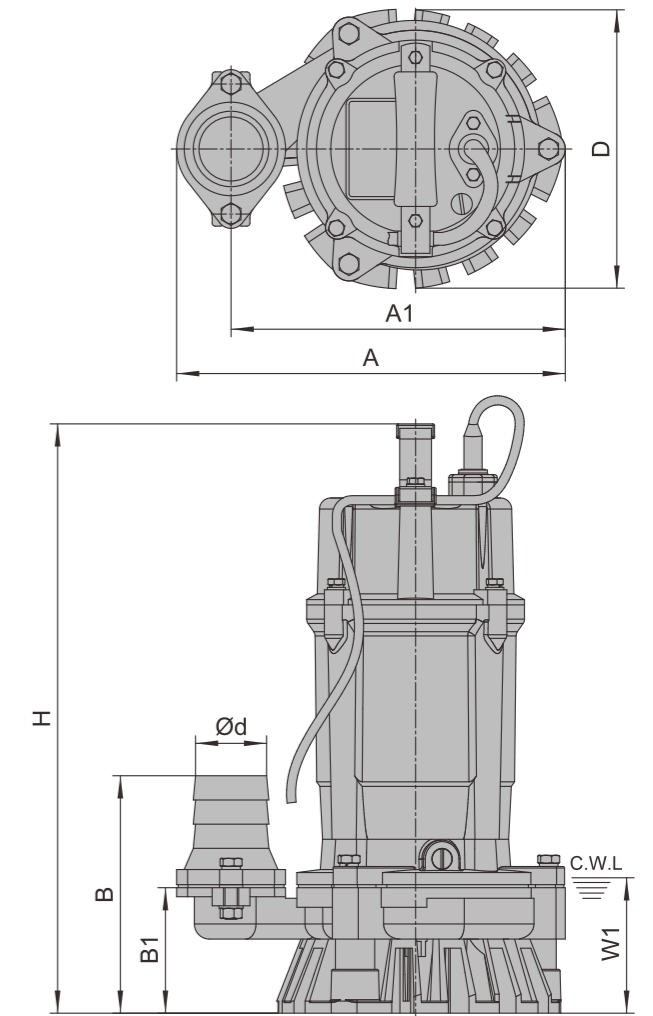
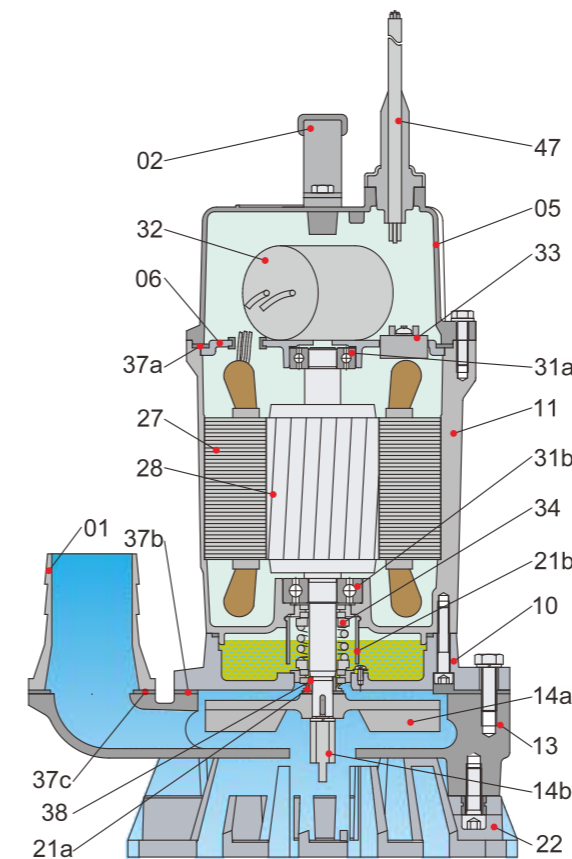
\*To use with L531 pump starter panel to enhance pump protection.

Hose & Hose Accessories 對應喉管及喉碼								
Model 型號	Hose 喉管		Clamp 喉箍		Coupling 接頭			Galvanized Hose Connector 鍍鋅駁芯
	Layflat Hose 扁喉	Spiral Hose 骨喉	T-Bolt 闊身喉碼	Omega 奧米茄碼	Bauer 鮑爾接頭	Camlock 快速接頭	Storz 德式接頭	
								
FSM-2.4F	2" Layflat Hose		T52-55	SL60	2" Bauer	2" Camlock	2" Storz	2" Connector
FSM-2.75F	2" Spiral Hose		T56-59	SL60				
FSM-3.75F	3" Layflat Hose		T74-79	SL94	3" Bauer	3" Camlock	3" Storz	3" Connector
	3" Spiral Hose		T80-85	SL94				

Camlock Coupling 快速接頭							
							
Adapter Type A	Coupler Type B	Coupler Type C	Adapter Type D	Adapter Type E	Adapter Type F	Coupler Type DC	Adapter Type DP

Storz Coupling 德式接頭				
				
Male Thread	Female Thread	Hose Shank	Cap with Chain	Wrench

Semi Vortex impeller design minimize the Clogging situation for maximum durability and maintaining pump performance. Built-in shaft mounted agitator prevents the “air lock” and reduces the clogging situation.



W1:Continuous running water level

## Application

Civil engineering, building sites, basements or other utility Pits, rainwater, mud water and high-viscosity fluid.

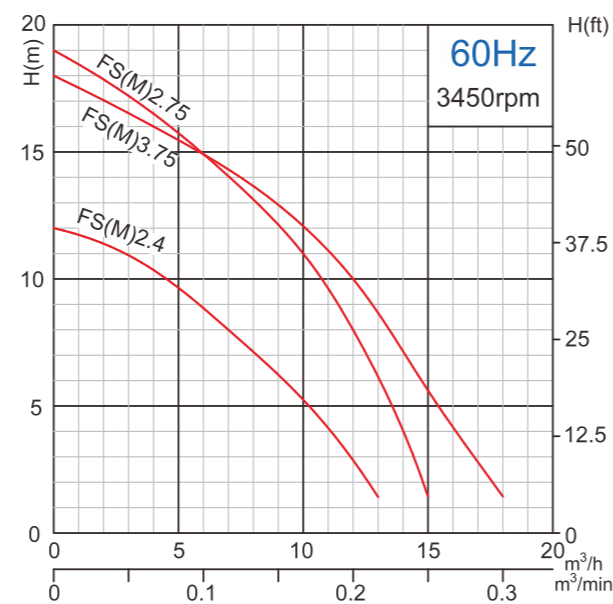
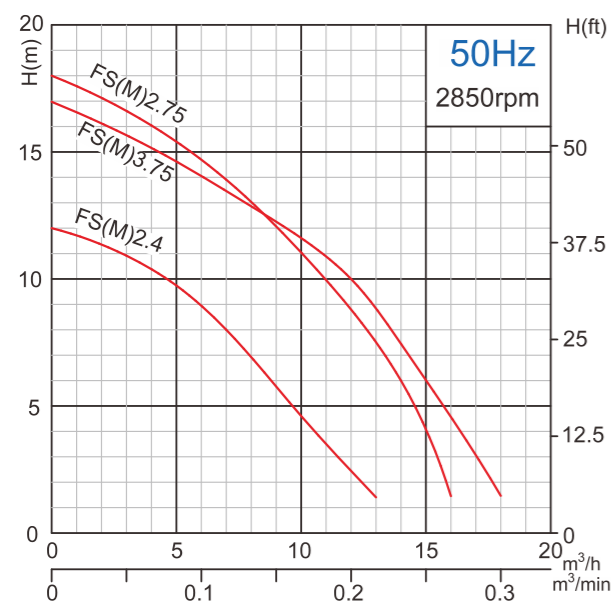
## Specification

- Water temperature: up to 40°C
- PH: 6.5 to 8.5
- Power supply: single phase 220V ± 10%,50Hz,60Hz  
three phase 380V ± 10%,50Hz,60Hz
- Insulation class: F
- Protection class: IP68
- Cable length: 8m
- Max water depth: 10m

## Special features on request

- Other voltages

## Performance curves & table



Model (50/60Hz)	Outlet mm	Motor power		Rated current (A)		Rated capacity		Rated head m	Max capacity		Max Head m	Impeller Passage mm
		kW	HP	1~	3~	m³/h	m³/min		m³/h	m³/min		
FS(M)2.4(F)	50	0.4	0.55	3.0	1.3	7	0.12	8	12.6	0.21	12	6
FS(M)2.75(F)	50	0.75	1	5.0	2.0	10	0.17	11	16/15	0.27/0.25	18/19	6
FS(M)3.75(F)	80	0.75	1	5.0	2.0	12	0.20	10	18	0.3	17/18	6

•FS:Three phase; FSM:Single phase; FSM...F:Single phase with Float switch

## Material of construction

Item No.	Part name	Material	Item No.	Part name	Material
01	Hose coupling	Cast iron	27	Stator	
02	Handle	Rubber&steel	28	Rotor	Shaft:AISI420SS
05	Upper cover	Aluminum die casting	31a	Bearing	Ball bearing
06	Up-Bearing house	Cast iron	31b	Bearing	Ball bearing
10	Seal house	Cast iron	32	Capacitor	
11	Motor body	Aluminum die casting	33	Motor protector	
13	Pump body	Cast iron	34	Mechanical seal	Ceramic-Sic/Carbon-Ceramic
14a	Impeller	Ductile iron	37a	Gasket	NBR
14b	Agitator	Stainless steel	37b	Gasket	NBR
21a	Sand guard	NBR	37c	Gasket	NBR
21b	Oil riser	LDPE	38	Shaft sleeve	AISI420SS
22	Seat assembly	PU	47	Cable	H07RN-F

## Dimensions & weights

Model (50/60Hz)	d mm	A mm	A1 mm	B mm	B1 mm	D mm	H mm	W1 mm	N.W Kg	G.W Kg	Packing dimension mm
FS(M)2.4(F)	50	237	201	157	84	185	365	85	13.5	14.5	405x255x255
FS(M)2.75(F)	50	257	221	157	84	185	390	85	16.5	17.5	445x265x255
FS(M)3.75(F)	80	284	234	215	109	185	390	85	18	19	445x295x255